



LUCINTEL INSIGHT
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FIVE TRENDS SHAPING FUTURE OF THE PLASTIC PIPE MARKET

Today plastics offer an outstanding economic alternative to pipes made of traditional materials. Plastic pipes are energy efficient during manufacturing and provide peak protection from contamination during service. Growing residential and non-residential construction activities, replacement of aging pipelines with new plastic pipes, growth in the irrigation sector, and increasing awareness of the superior properties of plastic pipes over traditional materials pipes

are driving the plastic pipe market.

The plastic pipe market is divided into PVC (Poly Vinyl Chloride) pipes, PE (Poly Ethylene) pipes, PP (Poly Propylene) pipes, and others. From the product development side, key players of the plastic pipe market include Mexichem SAB, China Lesso Group, Sekisui Chemical, Formosa Plastics Group, and Advanced Drainage Systems. These companies have been working on different strategies to drive sales using the most influencing marketing techniques, but as we look into the challenges and opportunities ahead in this market, companies can benefit from the strategy of developing eco-friendly PE and ABS plastic pipes along with the key target market trends we have identified. Lucintel predicts that global plastic pipe market will be valued at \$94.5 billion by 2025, with an expected CAGR of 4% to 6% during 2020-2025.

Lucintel reveals five trends set to influence the global plastic pipe market. Most of the industry players and experts agree that these five trends will accelerate developments in the plastic pipe industry in the near future. Although there is widespread knowledge about plastic pipes, there is still a lack of unified perspective on the direction the industry is moving to proactively address developments. To help bring more clarity to this gap, our study aims to provide insights concerning direction of changes and how these changes will impact the plastic pipe market.

1. Replacement of Traditional Material Pipes with Eco-Friendly PE and ABS Plastic Pipes

Growing demand for more eco-friendly pipe products with increased efficiency has resulted in the replacement of concrete pipes with plastic pipes in infrastructure, plumbing, and other applications. JM Eagle has introduced the Eagle Green PE, a new corrugated PE pipe made from recycled materials. The design offers high performance pipes which utilize corrugated, eco-friendly PE materials in products with the added cost-effective benefit of recycled polyethylene.



ABS (Acrylonitrile Butadiene Styrene) is a low cost engineering plastic that is easy to machine and fabricate, making it an ideal material for the construction industry. ABS pipes offer good machinability, lower cost, higher strength and stiffness; they are also eco-friendly, recyclable, and easy to paint and glue.



2. Use of Anti-Microbial Plastic Pipes to Improve Hygiene

Pipe manufacturers are introducing pipes with anti-microbial properties. The antimicrobial formulation of the pipe actively penetrates the cell walls of any contaminating bacteria and inhibits their ability to survive and reproduce on the surface of the pipes. This property is very beneficial in irrigation fields due to increase in self life. The anti-microbial property of pipe keeps potable water clean and safe for usage. These technically advanced pipes reduce risks by keeping water and other fluids or chemicals free from microbes.

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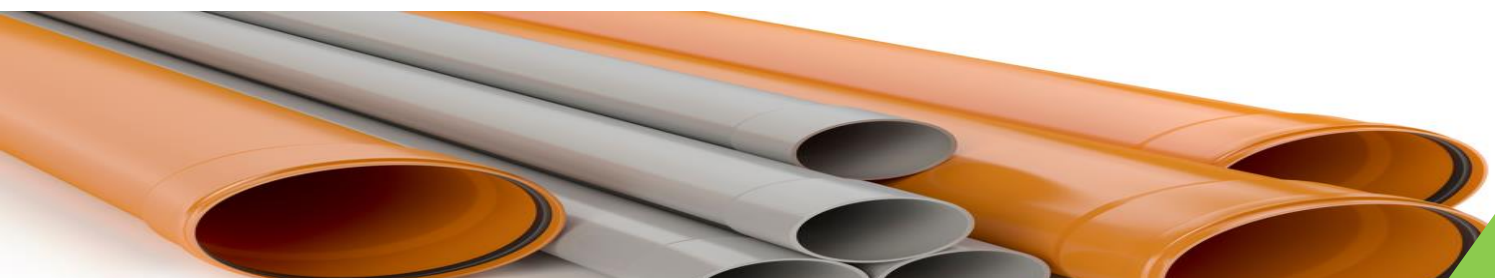
3. Use of Cross-Linked Polyethylene, or PEX Pipes

According to the Plastics Pipe Institute, cross-linked polyethylene, or PEX pipes are being used in more than 60 percent of new construction projects in the United States. PEX pipe is lightweight, flexible, easy to transport and install, and built to be long lasting. Because the production, use, and disposal of PEX products require far less energy and produce less carbon dioxide they are environment friendly. |



4. Increasing Consumption of Multilayer Plastic Pipes in Gas Distribution

The use of multilayer plastic pipes is increasing for gas distribution. Multilayer plastic pipes are being developed to increase the potential pressure range for gas distribution. Small diameter pipes with an aluminum center layer are easy to install and are highly resistant to cracks or leakage. The effective properties of metal and polyethylene pipes create a barrier layer to resist odorant permeation.



5. Replacement of Aging Pipes with New Plastic Pipes

The age of any pipeline ranges from 40 to 50 years; thus, replacement is necessary after a certain point of time. The demand for the replacement of aging pipes for water and wastewater supply and distribution is increasing in various applications, such as municipal pipeline construction, residential and commercial buildings, and industrial construction. With new plastic pipes, issues like corrosion, scaling, and leaks can be addressed, and this increases the demand for plastic pipes.

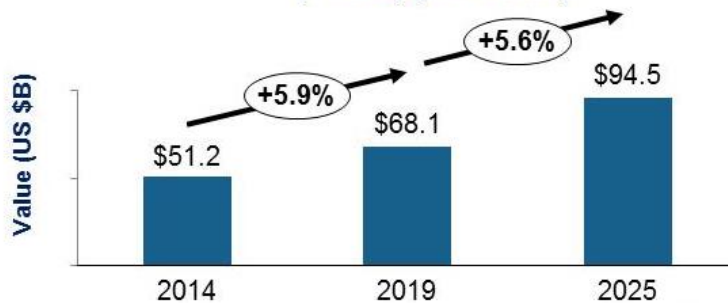


Strategic Considerations for Key Players of the Plastic Pipe Market

The plastic pipe industry is dynamic and ever changing. Successful industry players are necessarily masters of innovation, change and adaptation. But to do so, they need to stay attentive to the current trends. We believe there will be promising opportunities for plastic pipes in the industries of water and wastewater, agriculture, chemical, and electrical & telecommunication cable protection. As per Lucintel's latest market research report (Source: <https://www.lucintel.com/plastic-pipe-markets.aspx>), the [plastic pipe market](#) is expected to grow with a CAGR of 4% to 6% from 2020 to 2025 to reach \$94.5 Billion by 2025. This market is primarily driven by the growing residential & non-residential construction activities, replacement of aging pipelines, and growth in irrigation sectors.



Trends and Forecasts for the Global Plastic Pipe Market (US \$B) (2014-2025)



Source: Lucintel

Whether you are new to the plastic pipe market or an experienced player, it is important to understand the trends that impact the development process, as the trends listed above will lead to long-term strategy formulation to remain competitive and successful in the long run. For example, to capture growth, the plastic pipe market players can develop capabilities in anti-microbial and multilayer plastic pipes. Players can also focus on eco-friendly PE and ABS plastic pipes, both of which are expected to lead future trends.

Note: In order to gain better understanding, learn the scope, benefits, companies researched and other details of the plastic pipe market report from Lucintel, click on <https://www.lucintel.com/plastic-pipe-markets.aspx>. This comprehensive report provides you in-depth analysis on market trends and forecast, segment analysis, regional analysis, competitive benchmarking and company profiling of key players. In addition, we also offer **strategic growth consulting** to meet your customized needs. We have worked with many PE firms and corporate customers in their market entry and M & A initiatives.



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Contact Us



Sanjay Mazumdar, Ph.D.

CEO, Author, & Strategist

Email: sanjay.mazumdar@lucintel.com

Tel.: 972-636-5056

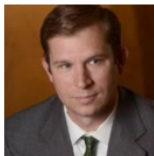


Eric Dahl, MBA, Harvard University

Senior Executive Advisor

Email: eric.dahl@lucintel.com

Tel.: +1-323-388-6971



Brandon Fitzgerald

Director of Client Engagement

Email: brandon.fitzgerald@lucintel.com

Tel.: +1-303-775-0751



Nigel O'Dea

Business Development Manager

Email: nigel.odea@lucintel.com

Tel.: +44 (0) 7413571716